REVISED ADMINISTRATIVE REVISION

004344

BD Number ~~004345~~ .05 1-5-05

SDMS Document ID
2030144

LIBBY ASBESTOS PROJECT
Supplemental Interior Inspection Checklist (SIIC)

Field Logbook No.: 100348 Page No.: 130 Site Visit Date: 1-5-05

Address: 116 E. Missoula Structure Description: Building

Occupant: Troy High School Phone Number: 295-4606

Owner (If different than occupant): Lincoln County Phone Number: ——

Investigation Team: B. Shoup, T. Vandervael

SIIC Check Completed by (100% of forms): [signature]

	Data Item	Value	Comments
	GENERAL DESCRIPTION		
1.	Type of attic	Finished ~~Unfinished~~	
	Attic ceilings	Attics within attics ~~None~~ Other _____	
	Location of attic entries	Outside ~~Inside~~ None	*Sketch location(s) on attached map*
	Number of attic entries	(1) 2 3 Other:_____	1 per attic space
	Type of entry	Door ~~Removable panel~~ Stairs Other: _____	*Collect photos of each*
	Size of each attic entry *specify units*	1: 2'x3' 2: 2'x3' 3: _____ Other: _____	*Add additional information at end of SIIC*
	Attic vents *Indicate number and type.*	___ Soffit/Eve ___ Gable ___ Louvered ___ Wind Turbine ___ Ridge ___ Window X Other None	*Briefly describe and sketch on attached map*

Data Item	Value	Comments
Are there any entryway, porch, or walkway awnings? *Note presence of VCI*	No Yes - segregated area Yes - same attic space NA	
FINISHED ATTICS		
Kneewalls present?	Yes No NA	*Sketch location(s) on attached map*
Kneewall construction	Open Studs Finished Carpentry	
Can all areas behind kneewalls be accessed?	Yes No NA	
Number of access to areas behind kneewalls	Number: _____ Type: _____	
Attic floor joist size	_____ in x _____ in NA	
Attic floor joist spacing	_____ in	
Flooring in finished attic	Tongue and groove Plywood Carpet Linoleum None (open joists) Other: _____	Entire area or partial area *Illustrate on Section Detail*
Flooring behind kneewalls	Tongue and groove Plywood Carpet Linoleum None (open joists) Other: _____	Entire area or partial area *Illustrate on Section Detail*
Is finished attic furnished?	Yes No NA	Brief description: *Document with photos*

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Data Item	Value	Comments
Items stored in area behind kneewalls:	Yes No NA	Brief description:
Are kneewalls cluttered?	Yes No NA	*Document with photos*
Kneewall areas easy to access? **(i.e., headspace, width, etc.)**	Yes No NA	Brief description:
Items in contact with VCI?	Yes No NA NA	Brief description:
Ceiling material in finished area	Plaster/Lathe Sheetrock Other:_____	*Illustrate on Section Detail*
Ceiling construction in finished area	Drop Ceiling Cathedral Other:_____	*Illustrate on Section Detail*
General condition of ceiling	Good Poor NA	
Kneewall material	Plaster/Lathe Sheetrock Wood Paneling Other:_____	*Illustrate on Section Detail*
Wall finish	Paint Wall paper Plywood Other:_____	*Illustrate on Section Detail*
General condition of walls	Good Poor	
UNFINISHED ATTIC		
Can all areas in attic be accessed?	(Yes) No NA	

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Data Item	Value	Comments
Are any areas in attic segregated into individual rooms?	Yes (No) NA	Brief description:
Number, size, and type of entries between rooms if applicable	NA *Provide details on sketch, collect photos as necessary*	
Attic floor joist size	2 in x 8 in	
Attic floor joist spacing	16 in	
Flooring in attic above joists	Tongue and groove Plywood (None) (open joists) 05 ~~Other: Sheetrock~~	Entire area or partial area 1-5-05 *Illustrate on Section Detail*
Flooring in attic below joists	Brief description: Sheetrock in N addition Sheetrock + fiberboard in auditorium *Illustrate on Section Detail*	
Items stored in attic?	Yes (No) NA	Brief description:
Items in contact with VCI?	Yes No (NA)	Brief description:
GENERAL CONDITION OF ATTIC		
Evidence of physical damage	Yes (No)	*Sketch location(s) on attached map and document with photos*
Evidence of water damage	Yes (No)	*Sketch location(s) on attached map and document with photos*
Structural condition of roof	(Good) Poor	*Document with photos*
Structural condition of roof rafters	(Good) Poor	*Document with photos*

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Data Item	Value	Comments
Structural condition of floor joists	(Good) Poor	*Document with photos*
Structural condition of chimney	(Good) Poor NA	*Document with photos*
Any other structural concerns?	None *Illustrate on sketch and collect photos as necessary*	
LIVING SPACE ASSESSMENT		
Describe: Number/type of rooms in building Furnished/Unfurnished Special concerns	This is a school - there are many rooms. *Illustrate on sketch and collect photos as necessary (Special Concerns)*	
Ceiling cracks as viewed from living space?	Yes (No)	*Sketch location(s)/dimension(s) on attached map and document with photos*
Utility conduits in attic leading to living space and/or understructure?	(Yes) No Type: (Electrical) (HVAC) (Plumbing) Other: _____	*Sketch location(s) on attached map and note gaps if present:* *Document with photos if potential for VCI leakage*
If yes, VCI observed around conduits?	(No) Living space Understructure Other_____	Location: *Document with photos if potential for VCI leakage*
ELECTRICAL SYSTEM		
Electrical wire in attic	(Yes) No	

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Data Item	Value	Comments
Type of electrical wiring	Bare (with insulators) Insulation type: Cloth/Ceramic Plastic ~~Both~~	
Electrical Outlets/Switches in attic	Yes (No)	Working condition:
Electrical shutoff system	(Breaker box) Fuse box Other: _____	Location: Several - ask maintenance supervisor about which ones to access
MECHANICAL SYSTEMS		
Plumbing in attic	(Yes) No	
HVAC in attic	(Yes) No	ventilation system only
Heating system	~~Fuel oil~~ - boiler Electric Propane Wood stove Other: _____	
Heating type	Forced air ~~Radiant heat~~	
Methods to shut down heating system	(Yes) No	Describe: shut-down boiler
PLUMBING SYSTEMS		
Water source	(City) Well Other: _____	Contractor able to use water for removal activity?
Type of water heater	Electric Propane ~~Other~~ boiler	

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	Data Item	Value	Comments
	UNDERSTRUCTURE		
	Type of understructure	(Finished Basement) Unfinished Basement Crawlspace None	*Collect soil/dust samples as needed* *If VCI present in understructure, document contamination on second sketch and with photos, as necessary*
	Type of flooring	(Concrete) Structural/Wood Soil Other_____	*Illustrate on Section Detail if VCI a concern*
	Access to understructure	(Yes) No	Location: stairway in main building *Sketch location(s)on attached map and document with photos*
	LOCATION AND QUANTITY OF VERMICULITE		
	VCI in attic	(Yes) No	above auditorium + library addition
2.	VCI in above attic *Finished attics only*	Yes No (NA)	
3.	VCI under floor *Finished attics only*	Yes No (NA)	
	VCI in kneewalls	Yes No (NA)	*Illustrate on Section Detail and document with photos*
	Is VCI exposed beneath finished floors, if applicable?	Yes No (NA)	*Illustrate on Section Detail and document with photos*
4.	Depth of VCI in attic	4 inches	in auditorium, 5" in N Library Addition
5.	Square footage of area with VCI	7440 square feet	4" - 76' x 50' = 3800 5" - 70' x 52' = 3640 NR 05/05/05
6.	Estimated quantity of VCI to remove	103 cubic yards	~~353~~ 47 + 56 NR 05/05/05
7.	Other insulation in attic	(Yes) No	Type: (Fiberglass - blown in) Fiberglass - batt Cellulose Other: _____

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	Data Item	Value	Comments
	Other insulation present in kneewalls?	Yes No (NA)	Type: Fiberglass - blown in Fiberglass - batt Cellulose Other: _____ *Illustrate on Section Detail and document with photos*
8.	Insulation in contact with VCI or in same space?	(Yes) No NA	
	Depth of other insulation in attic	8 inches in auditorium, 12" in N addition	
9.	Estimated quantity of other insulation to remove	~229 cubic yards NA NA 05/05/05	Calculations: 93.8 / 135 = ~229
10.	VCI in interior walls	Yes (No) Unknown	Wall Thickness: Wall Height:
11.	VCI in exterior walls	Yes (No) Unknown	Wall Thickness: Wall Height:
	Other insulation in walls	Yes (No) Unknown	Type: Fiberglass - blown in Fiberglass - batt Cellulose Other: _____ Wall Thickness: Wall Height:
	VCI present in other attics? (i.e., porches, additions, entryways)	Yes (No) Unknown	*Sketch location(s)on attached map and document with photos*
	Depth of VCI in other attic	NA inches	
	Other insulation in other attic?	(Yes) No Unknown	Type: (Fiberglass - blown in) Fiberglass - batt Cellulose Other: _____

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Data Item	Value	Comments
Is VCI leaking into living space?	Yes (No)	Rooms: *Document with photos* *If VCI leaking into multiple levels, sketch floorplan identifying locations/room dimensions. Collect photos.*
Is VCI visible in HVAC registers?	Yes (No) NA	*Sketch location(s)on attached map and document with photos*
Contamination present in understructure?	Yes - VCI Yes - Vermiculite in soil (No) NA	Description: *Document with photos*
If understructure contamination exists:	Obstructions present? Depth of VCI:_____ in Height:_____ ft Length: _____ ft Width:_____ ft	Yes No (NA) *Document with photos*
Evidence of vermiculite used in building materials?	Yes (No)	If yes, describe condition: *Document with photos*
Best means of access to contaminated areas?	(Present Access) ~~Enlarge Present Access~~ Create New Access Through Roof Through Attic Floor Through Lower Level Ceiling Other _____	Location: see diagram *Sketch location(s)on attached map and document with photos*

12.

	Data Item	Value	Comments
	DUST SAMPLING		
13.	Areas(s) where dust samples were not collected due to visible VCI *circle all that apply*	Basement Ground floor Second floor Attached garage Other_____ None - No visible VCI in living space Collected during previous investigation	
14.	Outbuildings sampled?	Yes - exterior contamination present No - no exterior contamination (NA) No - VCI present in interior Collected during previous investigation	

See photograph print outs for log and/or description.

ADDITIONAL INFORMATION

CDM Federal Programs Corporation
A subsidiary of Camp Dresser & McKee Inc.

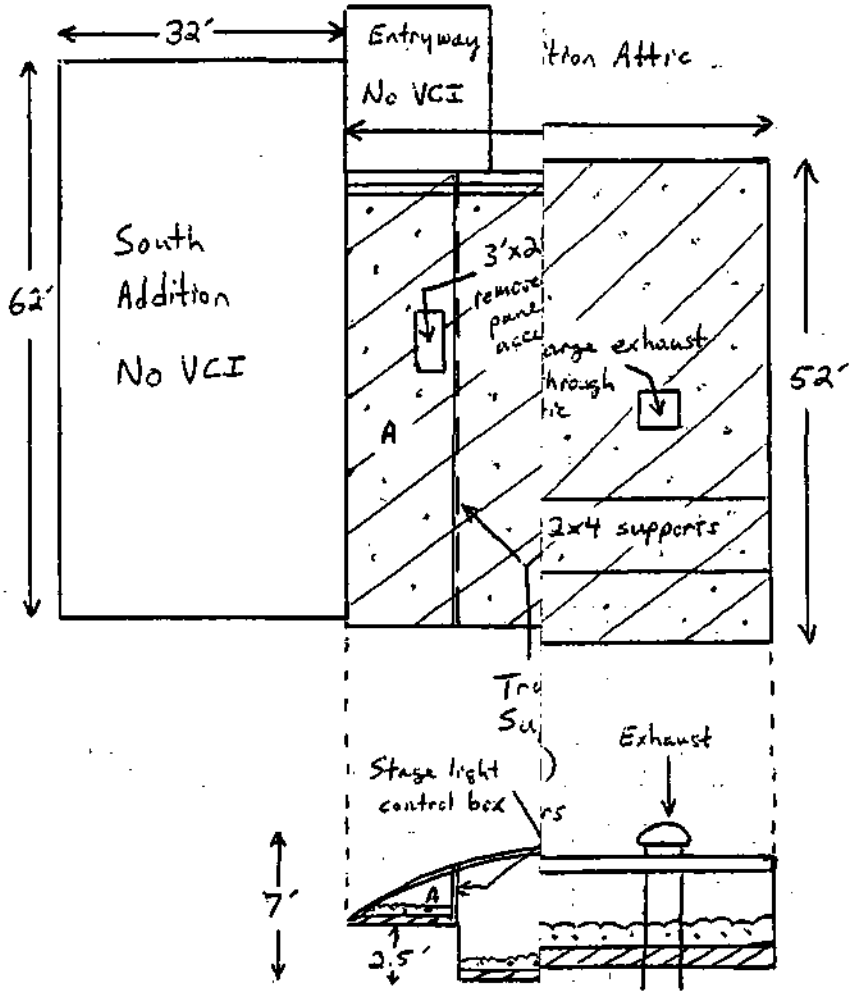
DATE
DATE CHECKED
PAGE NO.

116 E. Missoula

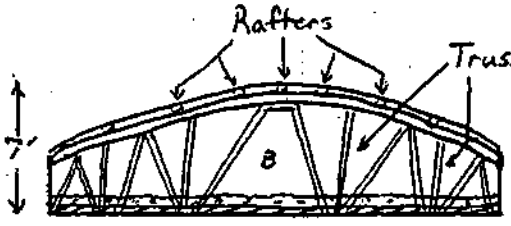
Troy High School

VCI

Blown-in Fiberglass



Profile, E-W, of Auditorium



NTS

...erlain by appx. 8" of blown-in fiberglass. ...s directly above the stage; it is appx. ...up. There is plenty of head space

...' of VCI overlain by appx. 12" of blown-in ... are also vertical 2x4 supports running ... a tight fit between the 2x4 supports.